

Form PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

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8009-24

10/811,610

APPLICANT

Clive Clayton et al.

FILING DATE

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GROUP ART UNIT

1762

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Use several sheets if necessary)



U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		PUBLICATION NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT TRANSLATION	
							YES	NO

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

VB			John A. Wert, <u>Microstructures of Friction Stir Weld Joints between an Aluminum-base Metal Matrix Composite and a Monolithic Aluminum Alloy</u> , <i>Scripta Materialia</i> , 49 (2003) pp. 607-612.					
VB			K. Colligan, <u>Material Flow Behavior during Friction Stir Welding of Aluminum</u> , Supplement to the <i>Welding Journal</i> , July 1999, pp. 229s-237s					
VB			M. Guerra et al., <u>Flow Patterns during Friction Stir Welding</u> , <i>Materials Characterization</i> , 39 (2003), pp. 95-101.					
VB			J.H. Ouyang et al., <u>Material Flow and Microstructure in the Friction Stir Butt Welds of the Same and Dissimilar Aluminum Alloys</u> , <i>Journal of Materials Engineering and Performance</i> , Vol. 11(1), February 2002, pp. 51-63					
VB			T.U. Seidel et al., <u>Visualization of the Material Flow in AA2195 Friction-Stir Welds Using a Marker Insert Technique</u> , <i>Metallurgical and Materials Transactions</i> , Vol. 32A, November 2001, pp. 2879-2884					
VB			K.N. Krishnan, <u>On the Formation of Onion Rings in Friction Stir Welds</u> , <i>Materials Science and Engineering</i> , A327 (2002), pp. 246-251					

EXAMINER

K. Bareford

DATE CONSIDERED

4/5/05

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				APPLICANT			
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				FILING DATE March 29, 2004		GROUP ART UNIT 176-2	
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		PUBLICATION NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT TRANSLATION
							YES NO
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
10/03			W.B. Lee et al., <u>The Mechanical Properties Related to the Dominant Microstructure in the Weld Zone of Dissimilar formed Al Alloy Joints by Friction Stir Welding</u> , <i>Journal of Materials Science</i> , 38 (2003) pp. 4183-4191				
10/03			Henry J. White, <u>Deformation During Friction Stir Welding</u> , 2001 NASA/ASEE Summer Faculty Fellowship Program, Marshall Space Flight Center - The University of Alabama in Huntsville				
10/03			Takeshi Shinoda et al., <u>Proposals of Novel Surface Modification Technology using Friction Stir Welding Phenomenon</u> , <i>Materials Science Forum</i> , Vols. 426-432 (2003), pp. 2837-2842				
10/03			T. Nishihara, <u>Development of Friction Stir Forming</u> , <i>Materials Science Forum</i> , Vols. 426-432 (2003), pp. 2971-2978				
10/03			R.S. Mishra et al., <u>Friction Stir Processing: A Novel Technique for Fabrication of Surface Composite</u> , <i>Materials Science and Engineering</i> , A341 (2003) pp. 307-310.				
10/03			Matt Collier et al., <u>Grain Development of Polycrystalline Cubic Boron Nitride for Friction Stir Processing of Ferrous Alloys</u> , <i>Materials Science Forum</i> , Vols. 426-432 (2003), pp. 3011-3016.				
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				APPLICANT Clive Clayton et al.			
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FOREIGN PATENT DOCUMENTS							
		PUBLICATION NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT TRANSLATION
							YES NO
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
103			S.P. Lynch et al., <u>Friction-Stir Processing of a High-Damping Mn-Cu Alloy used for Marine Propellers</u> , <i>Materials Science Forum</i> , Vols. 426-432 (2003), pp. 2903-2908				
103			William A. Palko et al., <u>Investigation of the Use of Friction Stir Processing to Repair and Locally Enhance the Properties of Large Ni Al Bronze Propellers</u> , <i>Materials Science Forum</i> , Vols. 426-432 (2003), pp. 2909-2914				
103			K. Oh-ishi et al., <u>The Influence of Friction Stir Processing on Microstructure and Properties of a Cast Nickel Aluminum Bronze Material</u> , <i>Materials Science Forum</i> , Vols. 426-432 (2003), pp. 2885-2890				
10			Z.Y. Ma et al., <u>Microstructural Modification of Cast Aluminum Alloys Via Friction Stir Processing</u> , <i>Materials Science Forum</i> , Vols. 426-432 (2003), pp. 2891-2896				
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